

AFCONA-5282



Chemical Composition

Fatty acid modified polyester polymer.

Product general description

Used for preparing universal water-based pigment pastes and improving pigment color development, while also enhancing the system's acceptance of color concentrates.

Product Properties

AFCONA-5282 can be used to prepare water-based pigment concentrates, solvent-based pigment concentrates, and water-based universal colorants. It is a high-solid dispersant, free of volatile solvents, and can meet most low-VOC requirements in the coatings market.

The characteristics and recommended systems for AFCONA-5282 are as follows:

- 1) AFCONA-5282 can be used to prepare water-based universal colorants that can be incorporated into water-based systems and long-oil alkyds. It can also be added during the let-down stage to improve the color development of commercially available water-based and solvent-based universal colorant pastes.
- 2) AFCONA-5282 can be used to prepare water-based pigment pastes for decorative paints and water-based industrial coatings.
- 3) AFCONA-5282 is a cost-effective pigment dispersant in water-based coating systems, exhibiting good affinity for most commercially available organic and inorganic pigments.

Note: AFCONA-5282 may crystallize when stored at or below 5°C. Heat to 50°C and mix thoroughly before use. This will not affect the quality.

Product Specification

Non-volatile matter	≥96% (150°C, 0.5h)
Density	1.00 - 1.04 g/cm ³ (20°C)
Acid value	10 - 16 mg KOH/g
Amine value	6 - 12 mg KOH/g
Gardner color	Max.18
Flash point	>100°C
Appearance	Cloudy, dark brownish liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Inorganic pigments	: 5 - 10%
Organic pigments	: 20 - 40%

Improve color concentrate acceptance:
In full formulations : 0.5 - 1.5%

Incorporation

AFCONA-5282 can be incorporated before grinding or post-added as an additive to improve color masterbatch acceptance and color development.

Storage

AFCONA-5282 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25 kg and 200kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.